

# Environment at a Glance 2004

## Solomon Island



### Introduction



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Solomon Islands is a Low Income country with per capita income of \$580. It is located in the East Asia and Pacific region. Its land area is 2,799 thousand hectares. Total population is 0.4 millions, of which 83% is rural. Population density is 16 people per sq. km.

Forest area accounts for 1% of total forests in East Asia and Pacific.

Nationally protected areas cover 0.3% of the territory (the conventional target is 10%).

Fish catch is 66,554 tons per year.

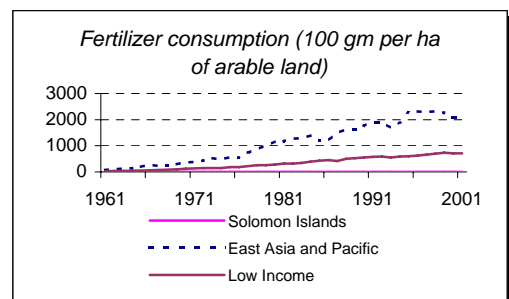
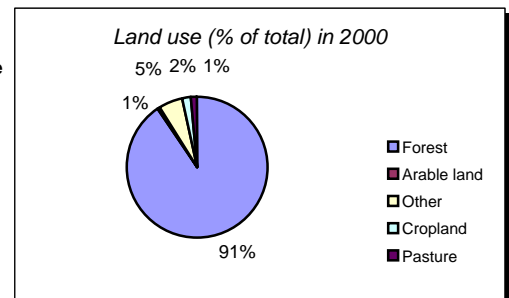
### GOVERNMENT INVOLVEMENT: MULTINATIONAL AGREEMENTS

Vienna Convention (ozone)	1993
UNFCCC (climate change)	1994
UNCLOS (law of the sea)	1997
UNCCD (desertification treaty)	..
Ramsar Convention (wetlands)	..
Kyoto Protocol (CO2 emissions)	(signed only)
Convention on Biodiversity	..
CMS (migratory species treaty)	..
CITES (species trade treaty)	..

Freshwater resources per capita are abundant. Access to improved water source is 71%, which is below the regional and income group levels. Access to sanitation facilities is 34%, which is below the regional and income group levels.

### Environment and Natural Resource Indicators

AGRICULTURE	Solomon Islands		East Asia and Pacific	Low Income
	1995	2002	2002	2002
Population, total (millions)	0.4	0.4	1,839.2	2,269.7
Rural population (% of total)	83.0	79.2	61.8	69.4
	1995	2001	2001	2001
Land area (thousand ha)	2,799	2,799	..	..
Arable land (thousand ha)	18	18	..	..
Forest area (% of area)	92.2	90.6	27.2	27.1
Arable land (% of area)	0.6	0.6	13.3	12.5
Cropland (% of area)	2.0	2.0	2.7	1.5
Pasture (% of area)	1.4	1.4	34.4	28.5
Area under cereal production (thousand ha)	..	1	135,760	247,580
Irrigated land (thousand ha)	..	..	..	..
Fertilizer consumption (100 gm per ha of arable land)	..	..	2,076.9	709.8
Agriculture value added per worker (constant 1995 US\$)	..	..	..	389.0
Food production index (1989-91 = 100)	122.4	151.4	170.7	135.8



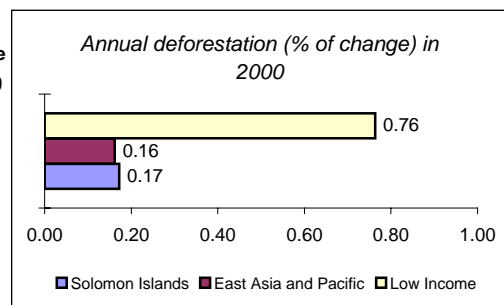
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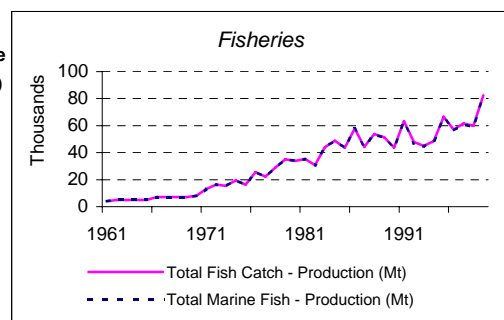
### FORESTS

	Solomon Islands		East Asia and Pacific	Low Income
	1990	2000	2000	2000
Forest area (sq km)	25,800	25,360	4,238,100	9,031,300
Forest area (% of area)	92.2	90.6	27.2	27.1
Deforestation (sq km per annum)	..	44	11,613	73,087
Annual deforestation (% of change)	..	0.17	0.16	0.76



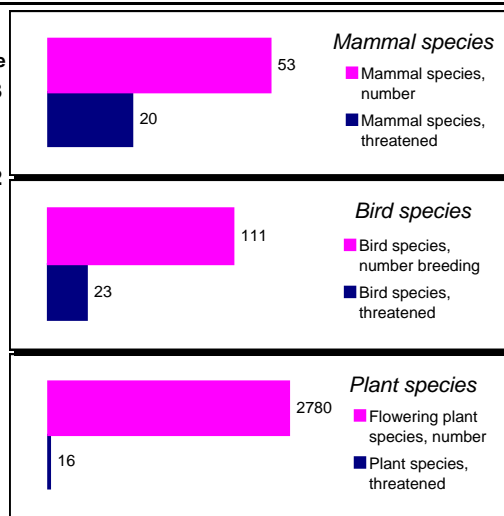
### FISHERIES

	Solomon Islands		East Asia and Pacific	Low Income
	1989	1995	1998	1999
Total Fish Catch - Production (Mt)	51,308	66,554	60,006	82,347
Total Fish Catch - Exports (Mt)	3	18	2,222	1,519
Total Fish Catch - Imports (Mt)	3	-	6	3
Total Marine Fish - Production (Mt)	51,151	65,749	59,133	81,514
Total Marine Fish - Exports (Mt)	-	-	2,153	1,486
Total Marine Fish - Imports (Mt)	3	-	-	-



### BIODIVERSITY

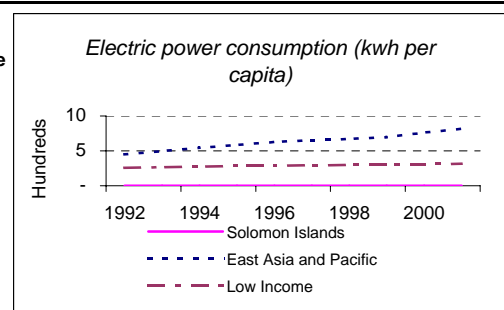
	Solomon Islands		East Asia and Pacific	Low Income
	1996	2003	2003	2003
Nationally protected areas (% of total area)	..	0.3	..	9.1
Mammal species, number	..	53	..	..
Mammal species, number threatened	20	20	..	..
Bird species, number breeding	..	111	..	..
Bird species, number threatened	18	23	..	..
Fish species, number	..	292	..	..
Fish species, number threatened	-	2	..	..
Flowering plant species, number	2,780	..	..	..
Plant species, number threatened	..	16	..	..



Note: Flowering plant species, number is for 1999.

### ENERGY

	Solomon Islands		East Asia and Pacific	Low Income
	1995	2001	2001	2001
Electric power consumption (kwh in millions)	..	..	..	..
Electric power consumption (kwh per capita)	..	..	816	317
Electricity production (kwh in millions)	..	..	1,849,800	1,017,200
Electricity production from coal sources (% of total)	..	..	65.1	49.2

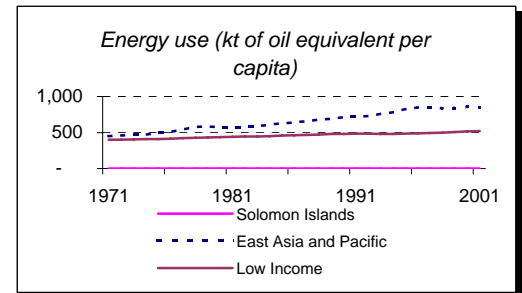


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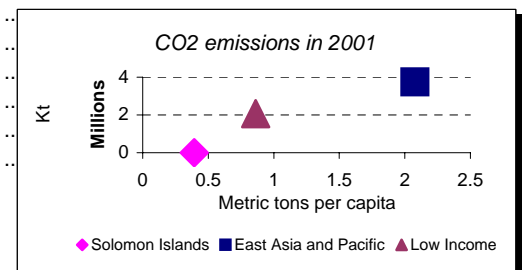
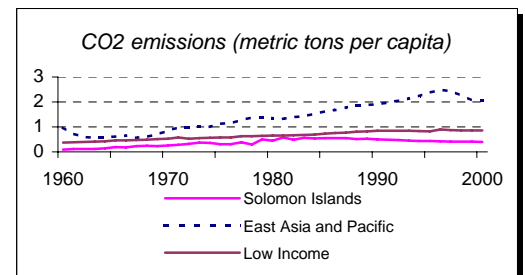
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	1995	2001	2001	2001
Electricity production from hydroelectric sources (% of total)	..	..	18.3	22.7
Electricity production from natural gas sources (% of total)	..	..	9.5	16.4
Electricity production from nuclear sources (% of total)	..	..	0.9	2.1
Electricity production from oil sources (% of total)	..	..	5.2	8.8
Energy use (kt of oil equivalent)	..	..	1,550,600	1,233,400
Energy use (kg of oil equivalent per capita)	..	..	854	518
Energy production (kt of oil equivalent)	..	..	1,595,500	1,330,600
Combustible renewables and waste (% of total energy use)	..	..	21.0	46.2
GDP per unit of energy use (constant 1995 PPP \$ per kg of oil equivalent)	..	..	..	3.6
Private investment in energy (current US\$, millions)	..	..	3,730	1,697



EMISSIONS and POLLUTION	Solomon Islands		East Asia and Pacific	Low Income
	1995	2000	2000	2000
CO2 emissions (kt)	161	161	4,061,000	1,793,400
CO2 emissions (metric tons per capita)	0.4	0.4	2.1	0.9
CO2 emissions (kg per 1995 US\$ of GDP)	0.5	0.6	2.1	1.8
Organic water pollutant (BOD) emissions (kg per day)	..	..	..	..
Organic water pollutant (BOD) emissions (kg per day per worker)	..	..	..	..
<b>Water pollution by industry (% of total BOD emissions)</b>	<b>1995</b>	<b>2000</b>	<b>2000</b>	<b>2000</b>
Chemical	..	..	..	..
Clay	..	..	..	..
Food	..	..	..	..
Metal	..	..	..	..
Paper	..	..	..	..
Textile	..	..	..	..
Wood	..	..	..	..

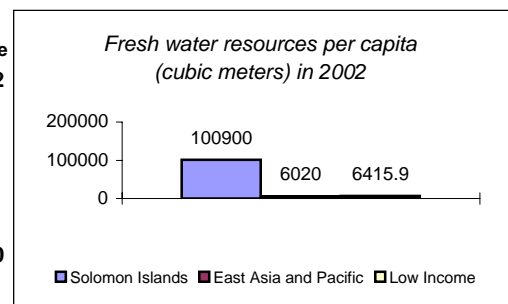


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WATER and SANITATION	Solomon Islands		East Asia and Pacific	Low Income
	1990	2002	2002	2002
Freshwater resources per capita (cubic meters)	..	100,900	6,020	6,416
Freshwater use (% of total water resources)	..	..	7.2	6.5
Note: Freshwater use (% of total water resources) number for the country is for 2000.				
	1990	2000	2000	2000
Agricultural water use (%)	..	..	..	..
Domestic water use (%)	..	..	..	..
Industrial water use (%)	..	..	..	..
<b>Access to improved water source</b>	<b>1990</b>	<b>2000</b>	<b>2000</b>	<b>2000</b>
% of population with access	..	71.0	75.9	75.7
% of rural population with access	..	65.0	67.5	69.9
% of urban population with access	..	94.0	93.1	89.7
<b>Access to improved sanitation facilities</b>	<b>1990</b>	<b>2000</b>	<b>2000</b>	<b>2000</b>
% of population with access	..	34.0	47.1	42.6
% of rural population with access	..	18.0	35.8	30.9
% of urban population with access	..	98.0	72.4	70.6
Mortality rate, under-5 (per 1,000)	36	25	45	128
Private investment in water and sanitation (current US\$, mil)	..	..	94	236



Countries with the renewable fresh water annual resources below a 1,700 m<sup>3</sup> per capita threshold, will experience water stress, below 1,000 m<sup>3</sup> per capita threshold will experience water scarcity, and below 500 m<sup>3</sup> per capita threshold will experience absolute water scarcity.

Note: Private investment in water and sanitation (current US\$) is for 1996 in the 1990 column.

NATIONAL ACCOUNTING AGGREGATES	Solomon Islands		East Asia and Pacific	Low Income
	1995	2002	2002	2002
GDP (current US\$ billions)	0.3	0.2	1,833.1	1,123.9
GNI (current US\$ billions)	0.3	0.2	1,805.4	1,103.6
GNI per capita, Atlas method (current US\$)	900	580	960	430
Gross national savings, including NCTR (% of GNI)	..	..	36.3	22.2
Consumption of fixed capital (% of GNI)	8.6	..	9.2	8.4
Net national savings (% of GNI)	..	..	29.6	13.1
Education expenditure (% of GNI)	3.8	..	2.2	2.6
Energy depletion (% of GNI)	0.0	..	3.4	5.9
Mineral depletion (% of GNI)	0.0	..	0.3	0.4
Net forest depletion (% of GNI)	11.0	..	0.1	0.8
CO2 damage (% of GNI)	0.3	..	1.8	1.3
Particulate emission damage (% of GNI)	..	..	0.8	0.6
Adjusted net savings (% of GNI)	..	..	25.5	6.7

Adjusted net savings is a sustainability indicator that measures the true rate of savings in an economy after taking into account net national savings, investments in human capital, depletion of natural resources, and damage caused by pollution.

Note: for 1995, Adjusted net savings exclude particulate emissions damage.

Sources: WDI, FAO, FAO AQUASTAT, WRI, and IUCN.

The World Bank, Environment Department, 1818 H street, N.W. Washington D.C. 20433 USA

Environment Department, World Bank

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Contacts: eadvisor@worldbank.org